

GENERAL REMARKS

The texts for the course are the following two books:

J. R. Munkres. *Topology* (Second Edition), *Prentice-Hall, Saddle River NJ*, 2000. ISBN: 0-13-181629-2. — This edition is out of print, but there are newer editions like the one in the bookstore, and they are cheaper. Some editions stop before Chapter 14, and it is necessary to have one which goes through that chapter.

A. Hatcher. *Algebraic Topology* (Third Paperback Printing), *Cambridge University Press, New York NY*, 2002. ISBN: 0-521-79540-0.

The book by Hatcher can be legally downloaded from the Internet at no cost for personal use, and here is the link to the online version:

www.math.cornell.edu/~hatcher/AT/ATpage.html

A substantial amount of additional course material will be posted online to a course directory

<http://math.ucr.edu/~res/math205B-2018>

including an outline ([coursetopics2012.pdf](#)), which lists the course topics and keys them to sections of the course texts, and a set of more or less self-contained notes for the course ([algtop-notes.pdf](#)). Additional information on the course directory is given below.

Contact information. My office is Skye (formerly Surge) 221, and it is around the corner from the Department's administrative front desk (room 202). Office hours will be announced. My office telephone number is 951-827-6459 (as usual, suppress the area code from inside the 951 region, and also replace the 827 by a 2 if calling from an extension at UCR). Another highly recommended option is electronic mail; my full address is schultz@math.ucr.edu. Another address is rschultz@ucr.edu but this gets checked less frequently (however, at least once or twice a day during the week). Use of electronic mail is often easier than trying to play telephone tag. **IMPORTANT:** The default filters for electronic mail on the Department network are not very restrictive and sometimes there is an enormous amount of garbage in my electronic mailbox. Therefore I **strongly recommend** that you include something like **Math 205B** in the subject heading so that your message does not get inadvertently deleted without being read. Also, since the authors of junk messages often use only capital letters in their subject headings, this should be avoided as well.

Grading policy: There will be two in-class examinations, the first of which is tentatively scheduled for Wednesday, February 13, and will count for 37 per cent of the course grade. The second examination will take place on during the tenth week of the quarter, on Friday, March 15, and will count for 36 per cent of the course grade. There will also be two written take-home assignments that will count for the remaining 27 per cent of the grade. The first will be worth 13 per cent and will be due Wednesday, January 20, and the second will be worth 14 per cent and will be due at the beginning of the second examination.

Although homework problems will not be collected or graded, students are responsible for knowing how to do all the unstarred exercises listed on the course homework files; the starred exercises are generally more challenging, and trying them is recommended as a way of testing one's understanding of the course material. Some problems from the homework are likely to appear on the examinations.

No books, notes or electronic devices (including cell phones) can be used during examinations.

Course handouts and notes: All printed handouts for the course will be available on the World Wide Web from the course web site:

<http://www.math.ucr.edu/~res/math205B-2018>

(NOTE: The final digit is not a misprint!)

The contents of this directory include a copy of this document ([aabInformation205B-2019.pdf](#)), the course outline mentioned previously, informal course notes, not necessarily identical to material covered in lectures), the homework assignments and (some) solutions, and various files containing supplementary material. All text files except a few ordinary text files and a few animations are pdf files which can be opened, downloaded, and read or printed with the free Acrobat readers that are available or easily downloadable on most if not all electronic communications devices (desktop or laptop computers, tablets or smartphones). There animated files can be opened with standard software.

Some other directories containing background material from some fairly closely related courses are stored in the main directory

<http://math.ucr.edu/~res>

and these include older versions of the 205 courses.

IMPORTANT. (1) *Please contact me immediately if you have problems viewing or printing out any of these files.*

(2) *These files are only intended for classroom purposes and are not meant for widespread public circulation.* In some cases further distribution may be a violation of copyright laws or the terms of use for material in the files.

(3) It is likely that there are some minor mistakes in these files. I try to fix them as I see them but would prefer not to post errata files once or twice a week at times, so my suggestion is this: If you see something that looks like a mistake, go to the course directory and check the current file and see if anything has been changed. If not, please contact me so that we can resolve the issue one way or another.

Further comments. Student questions during primary class sessions are encouraged. Please do not hesitate to ask questions, especially if you do not understand something or if something in the lecture seems wrong — even if everyone else seems to understand. Questions on homework or review are generally best answered at the beginning of class and should be asked at that time. In general such questions are encouraged, but in some cases it might be necessary to limit such question periods or to post the answers online after class.

I shall attempt to answer electronic messages regarding the course in a reasonably timely manner, especially during regular working hours, and in some instances outside of such hours (but there are no guarantees). Complete answers to more complicated questions may require additional time.

Disability issues: Students who have been certified as eligible for academic adjustments under existing laws should contact the primary instructor within the next week with the necessary supporting materials. Further information on campus services for students with disabilities is available at the following sites:

<http://www.specialservices.ucr.edu/swd/default.html>

<http://www.specialservices.ucr.edu/swd/aboutus.html>